

Figure 1

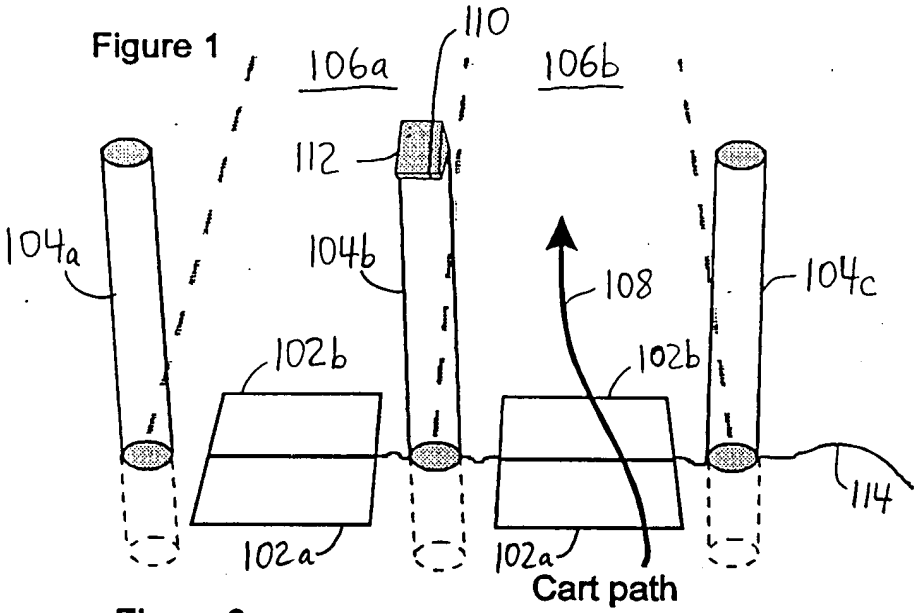


Figure 2

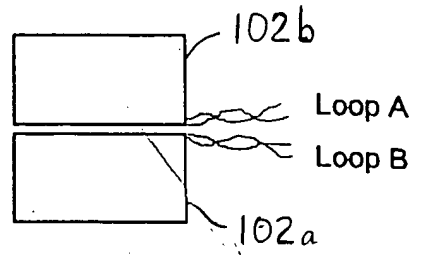


Figure 3

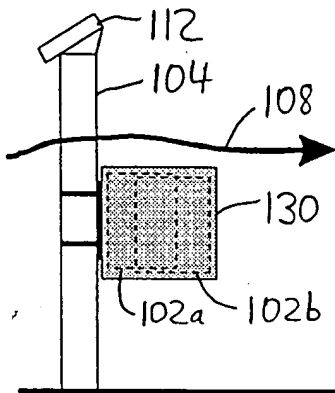


Figure 4

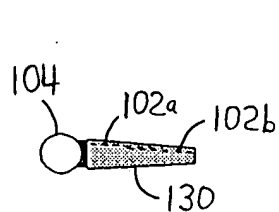


Figure 5

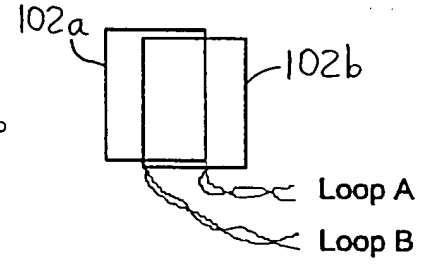


Figure 6

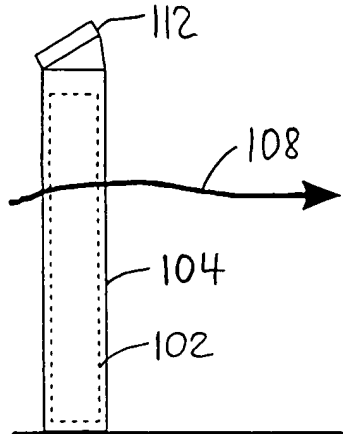


Figure 7

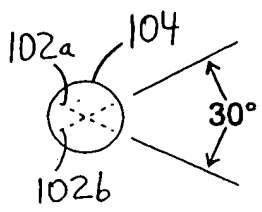


Figure 8

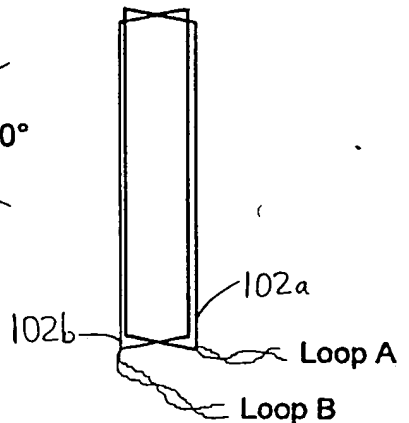


Figure 9

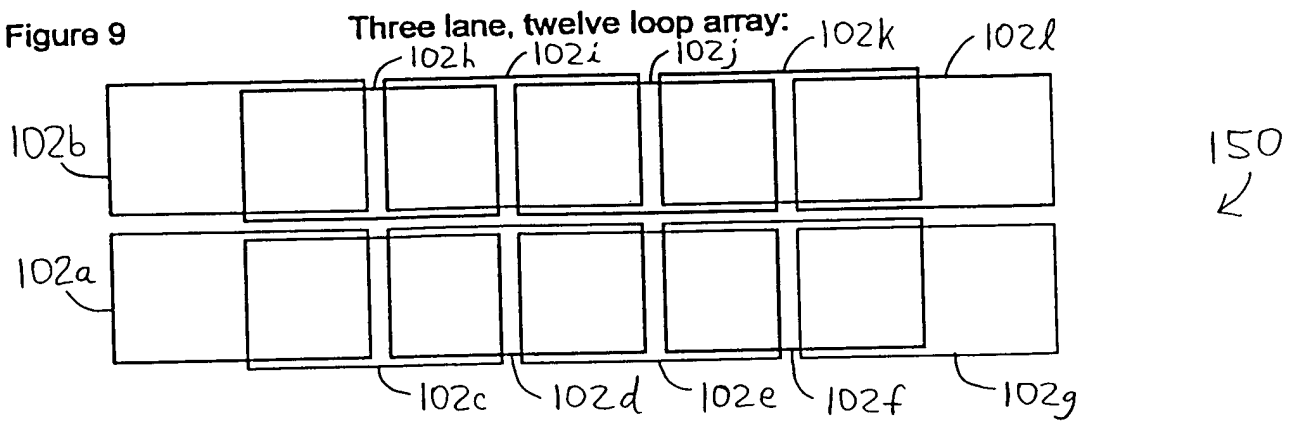


Figure 10

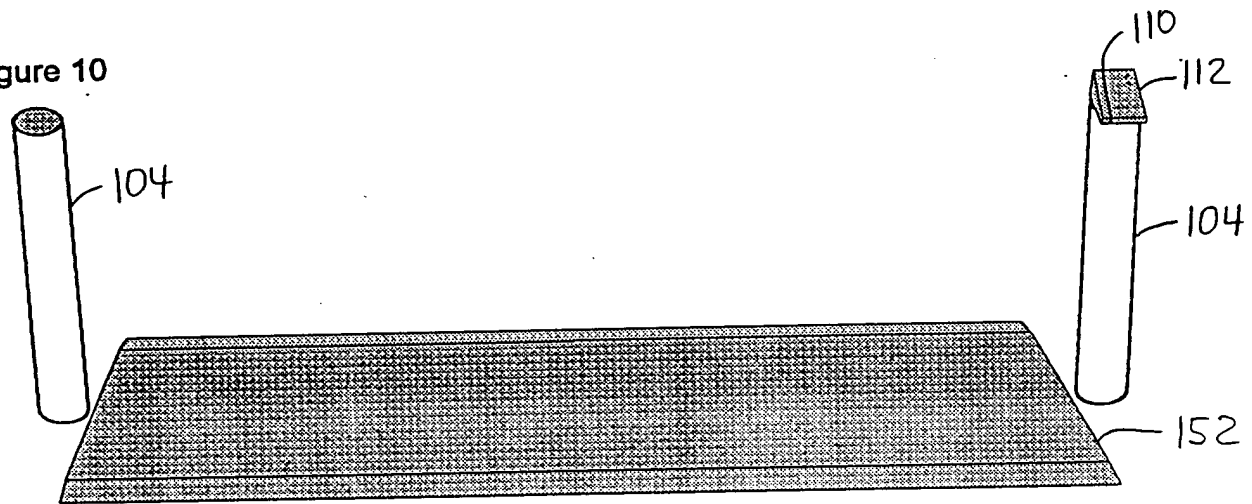


Figure 11

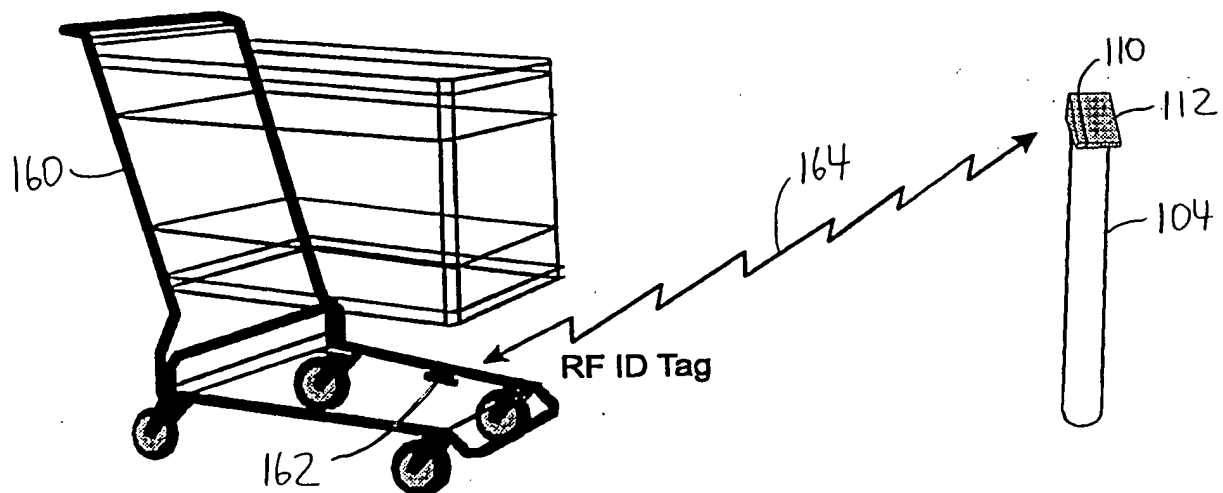


Figure 9

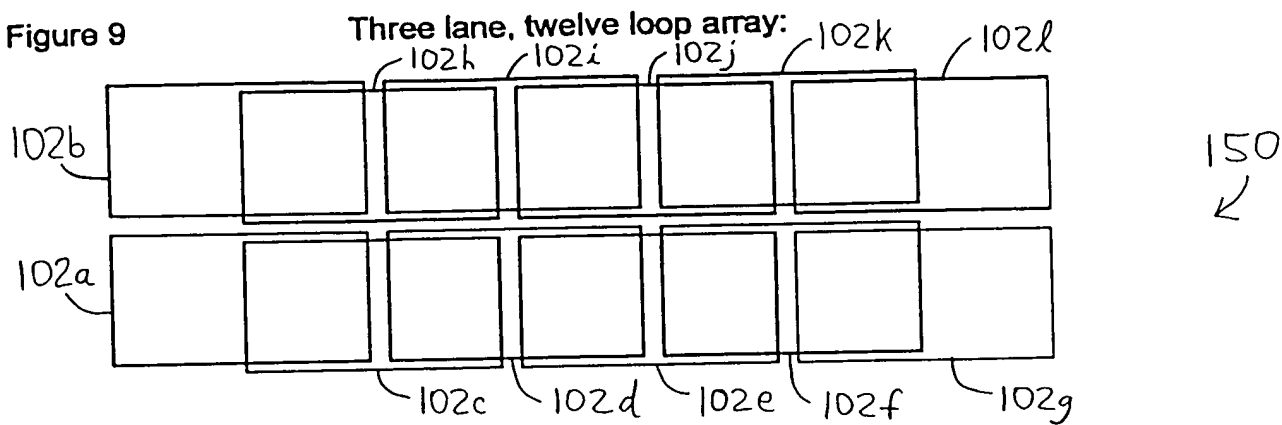


Figure 10

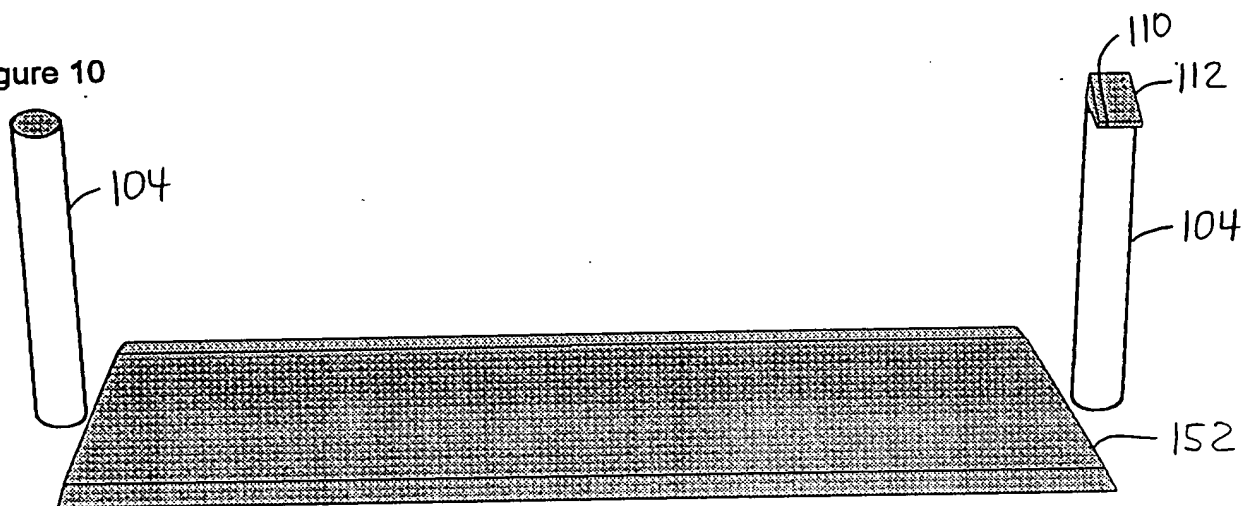


Figure 11

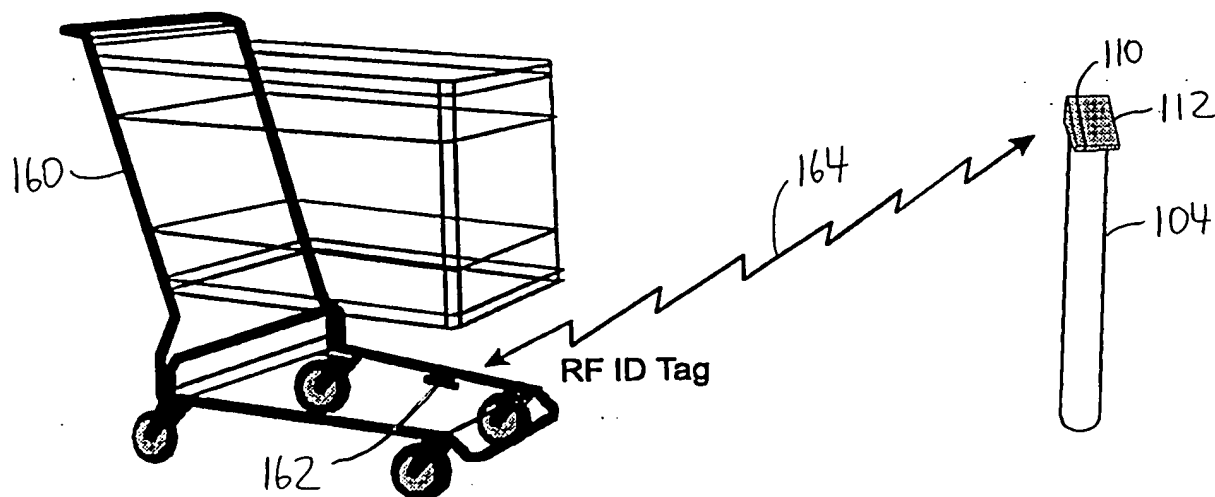


Figure 12 Cart Detector circuit

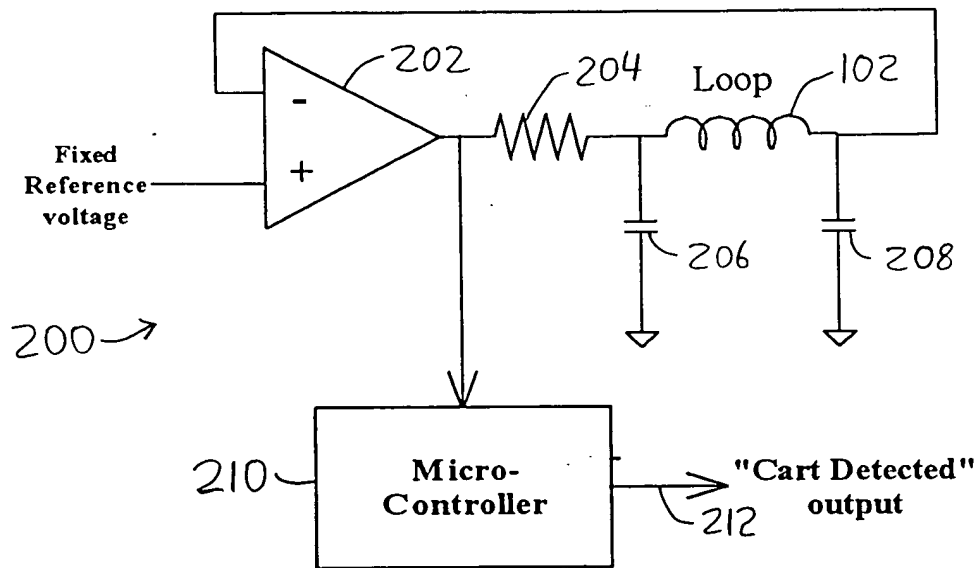
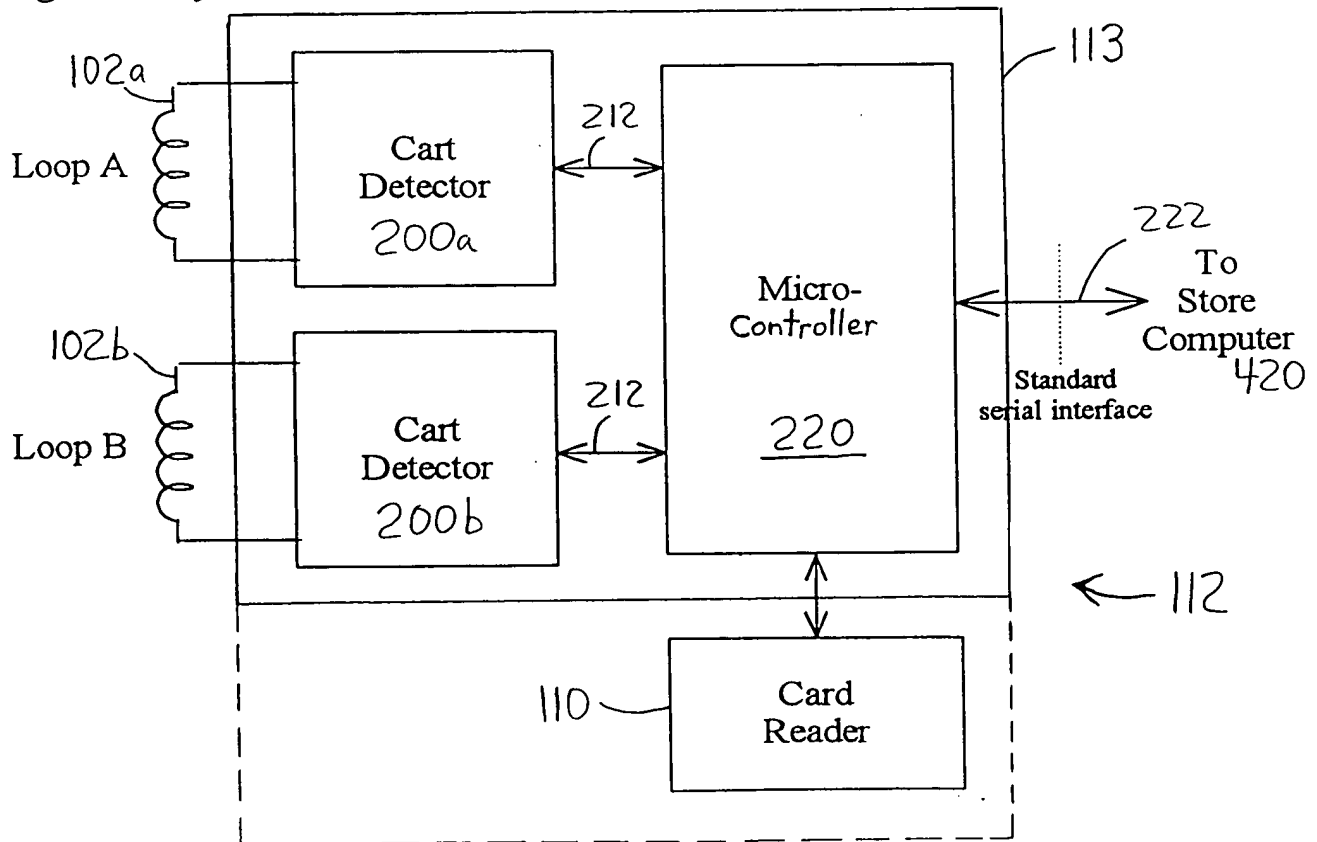


Figure 13 System Electronics



SYMBOLS  
A AND B  
REPRESENT  
THE OUTPUTS  
OF THE LOOP  
DETECTORS.

A IS THE  
FIRST LOOP  
TO BE PASSED  
BY A RETURNING  
CART, B THE  
SECOND.

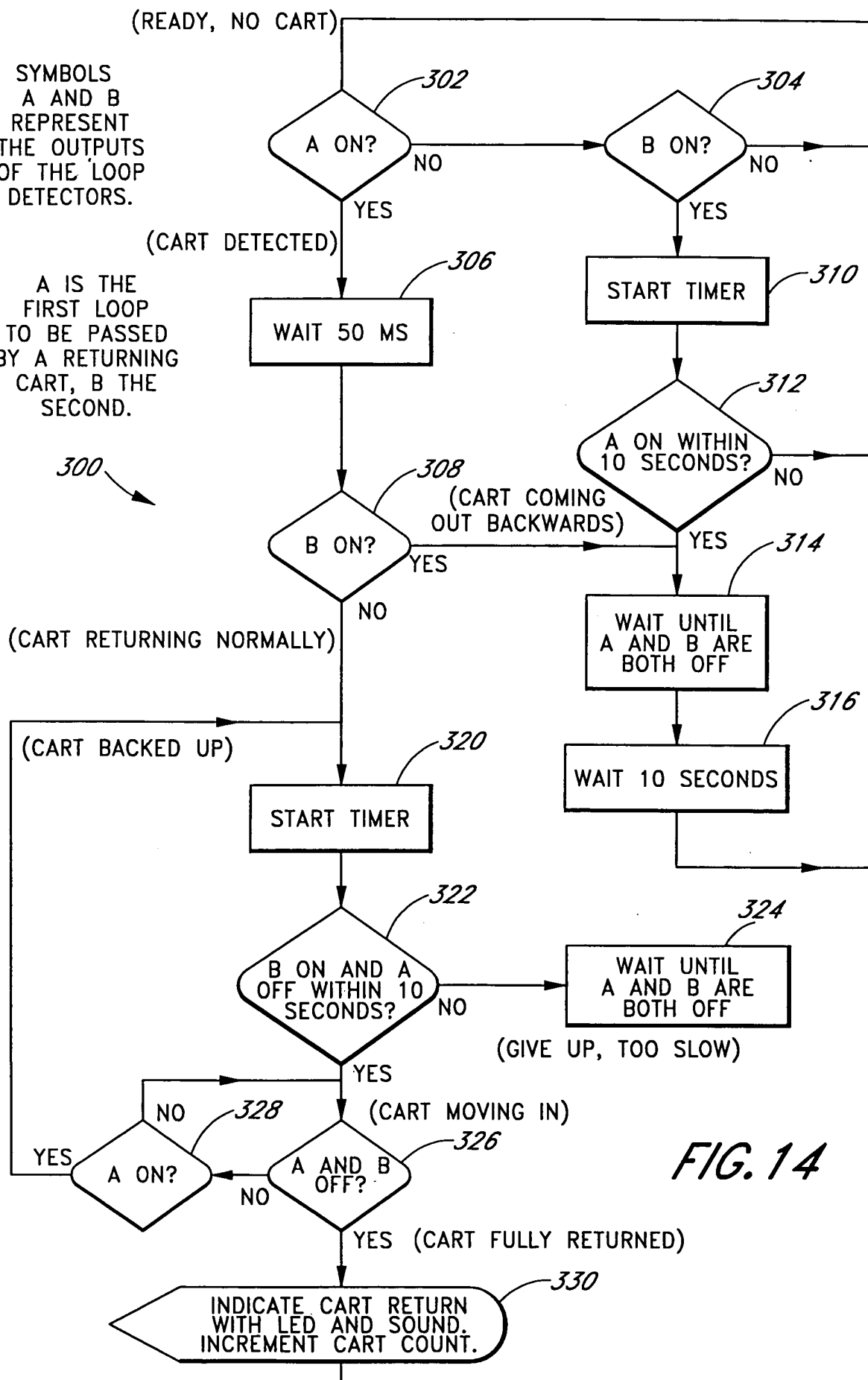
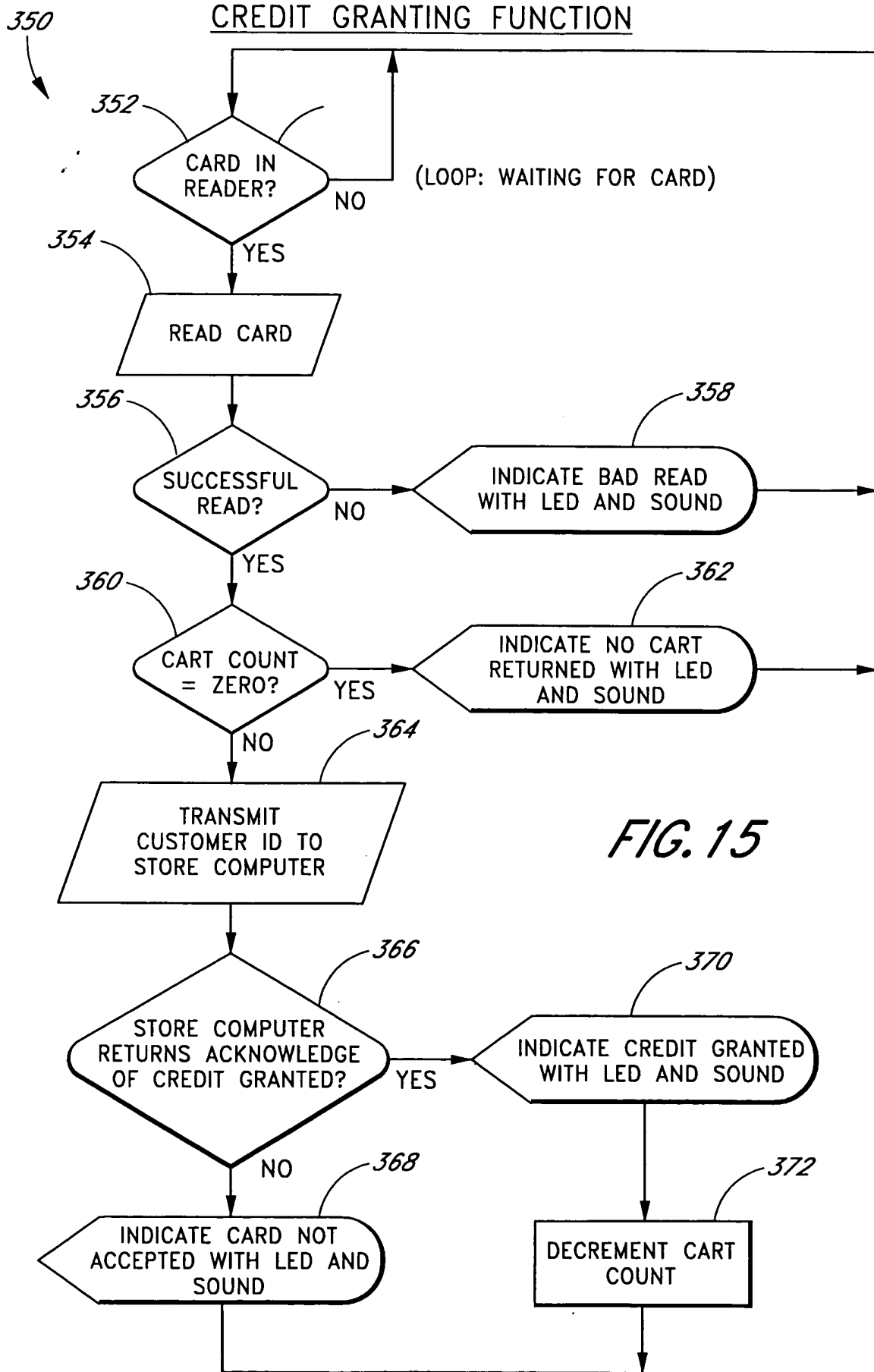


FIG. 14



**FIG. 15**

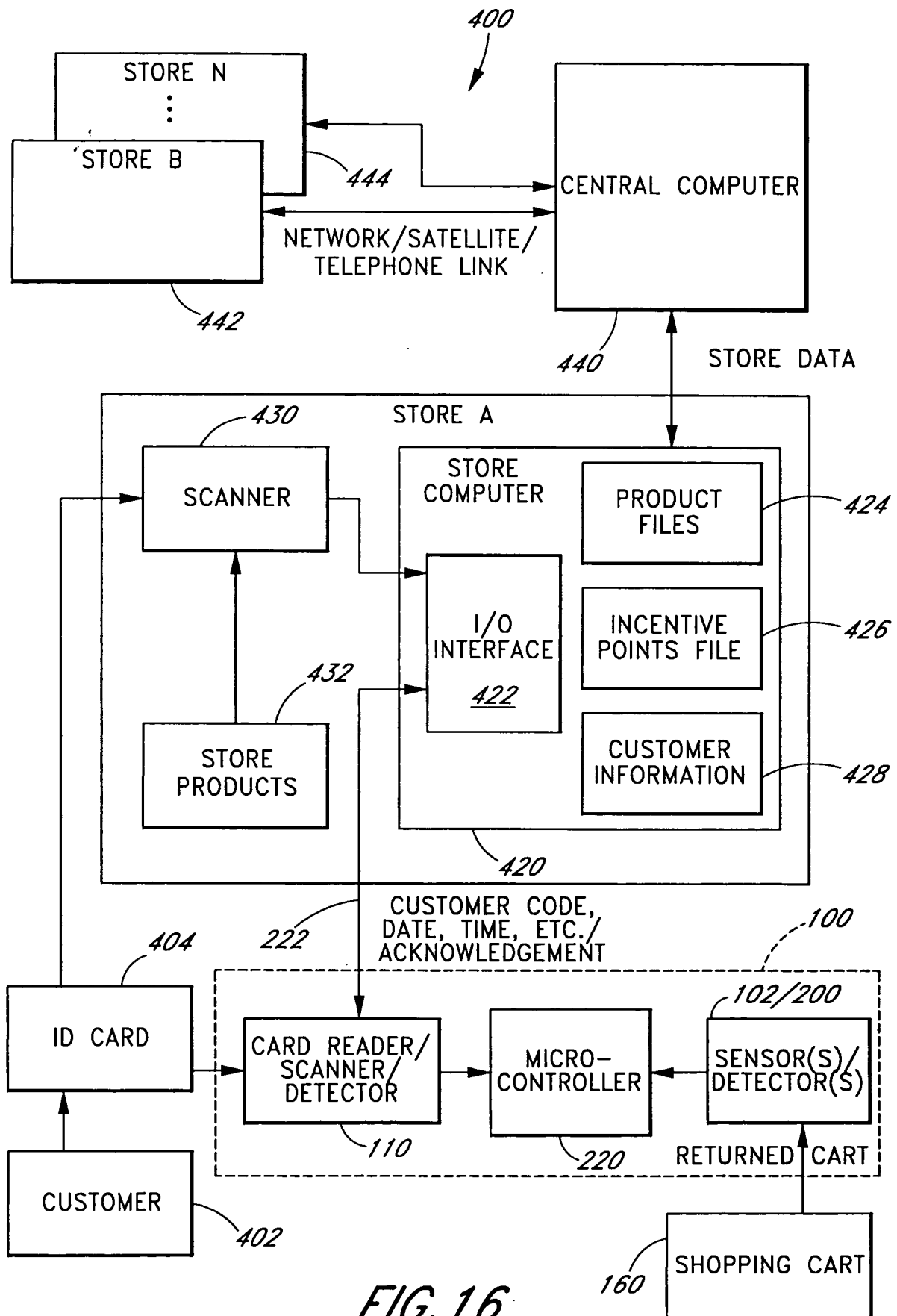


FIG. 16

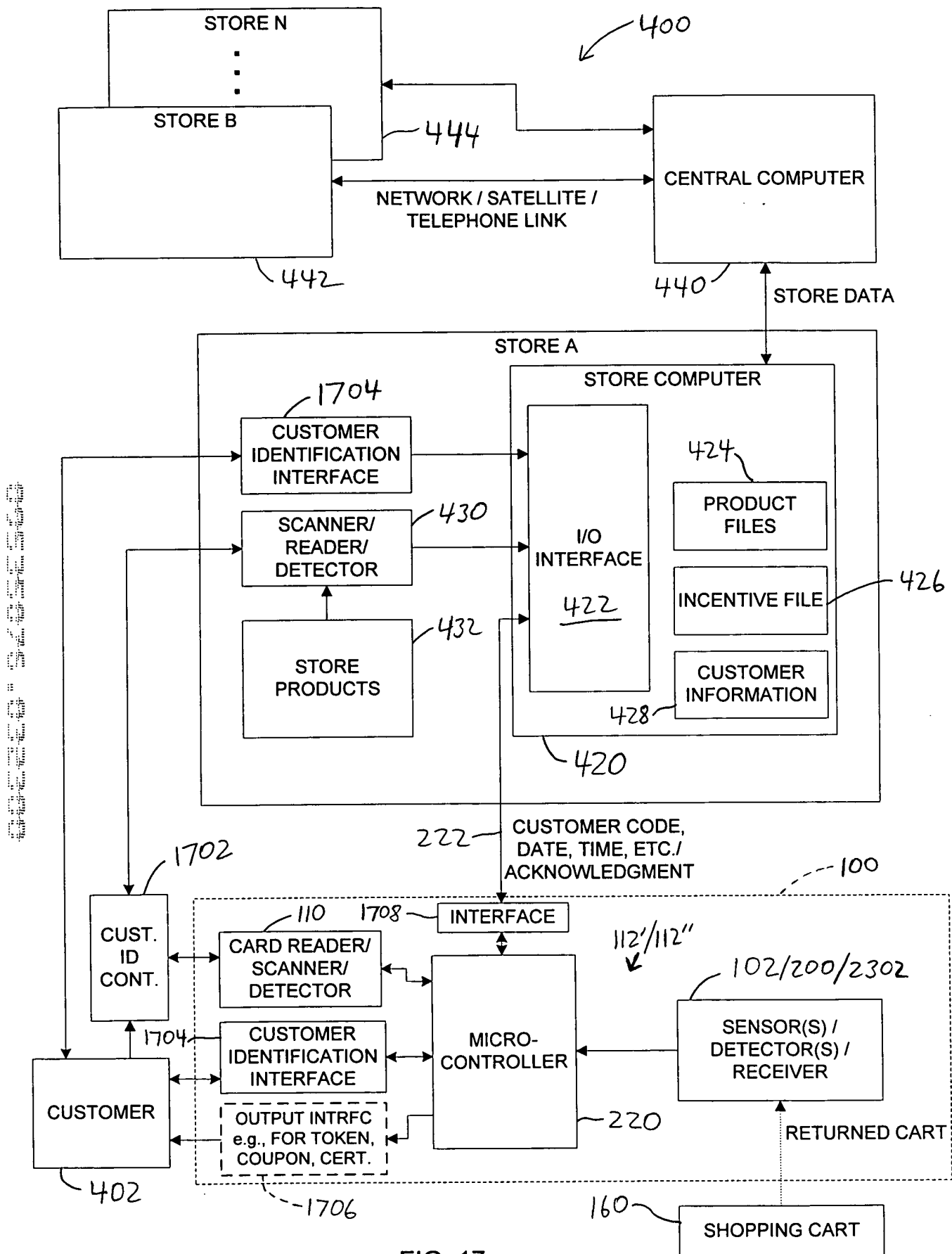
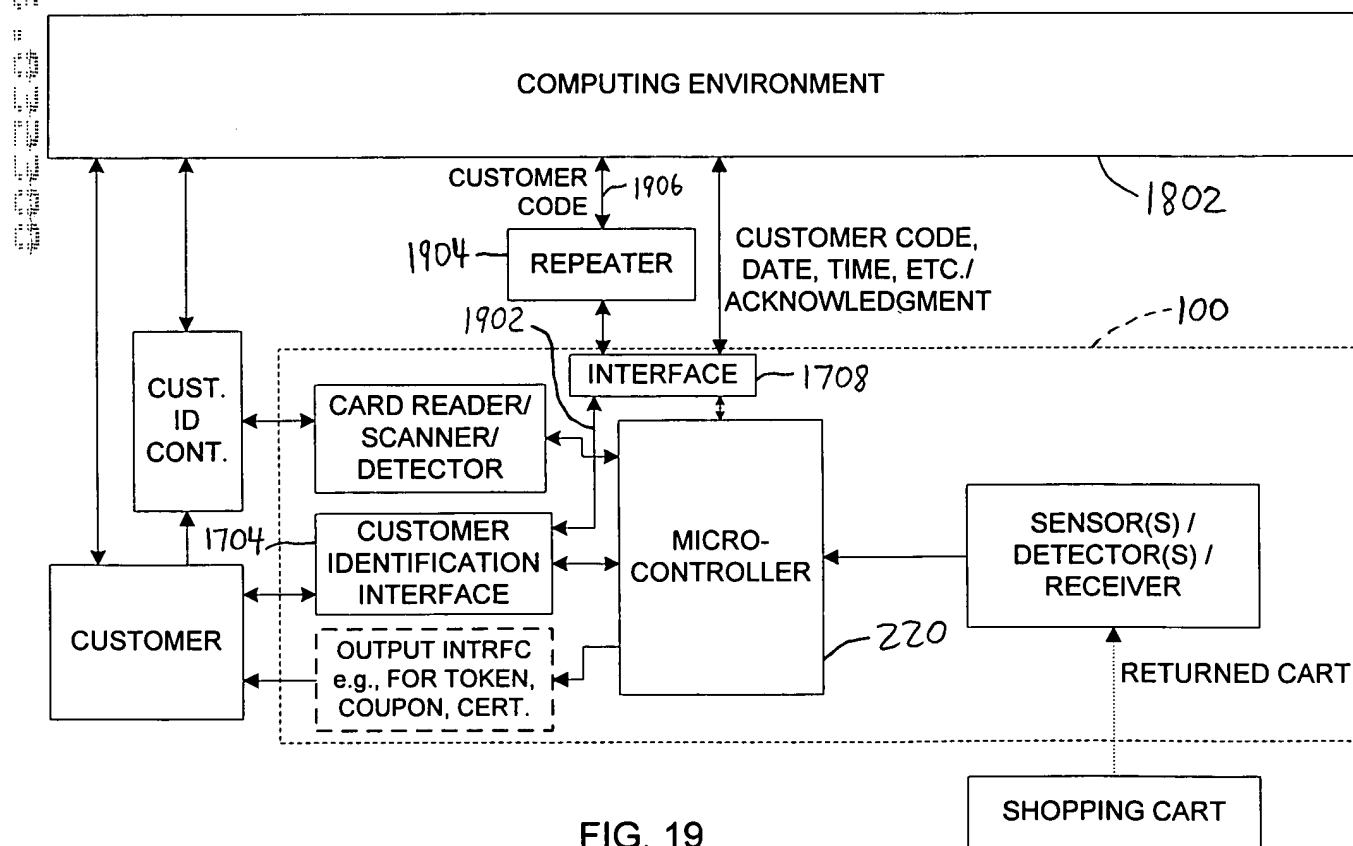
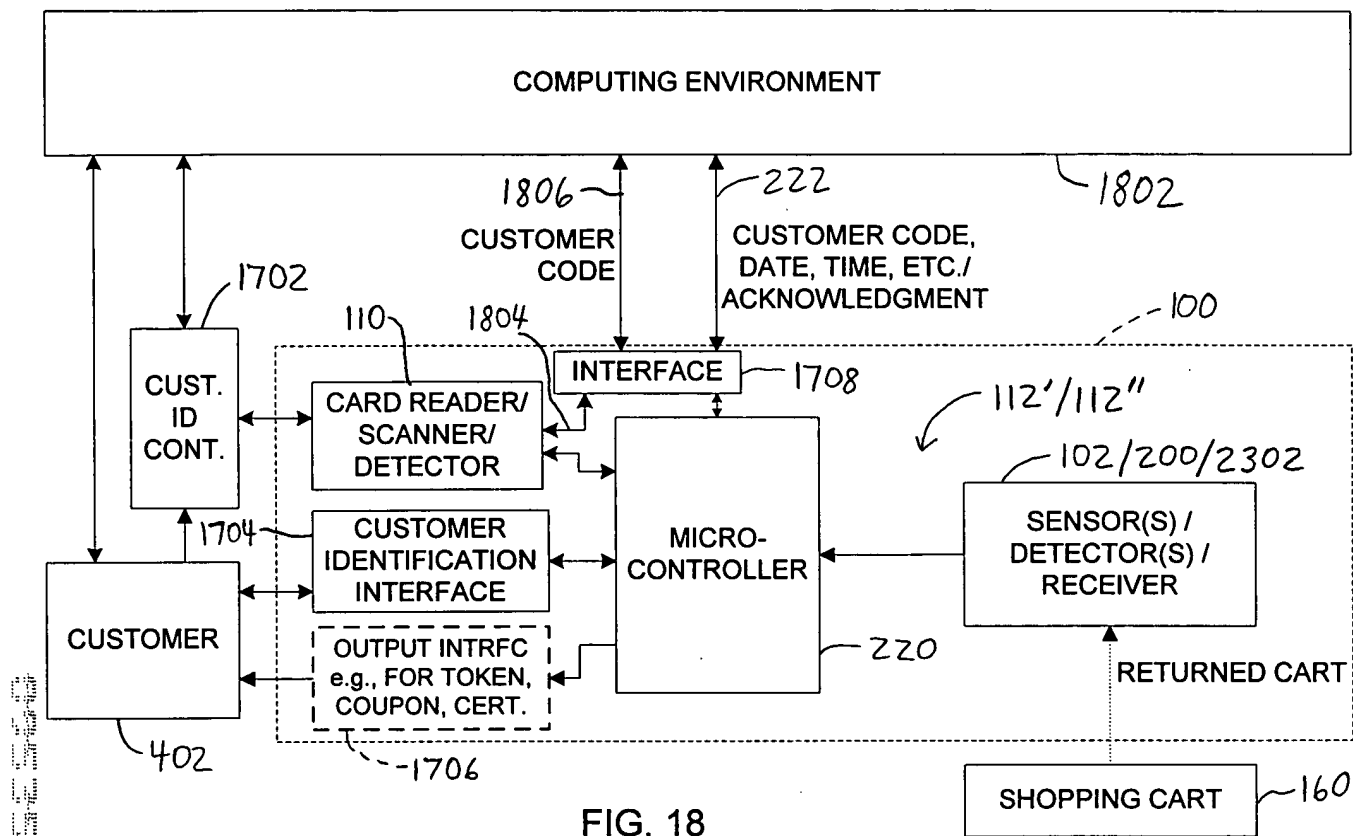


FIG. 17





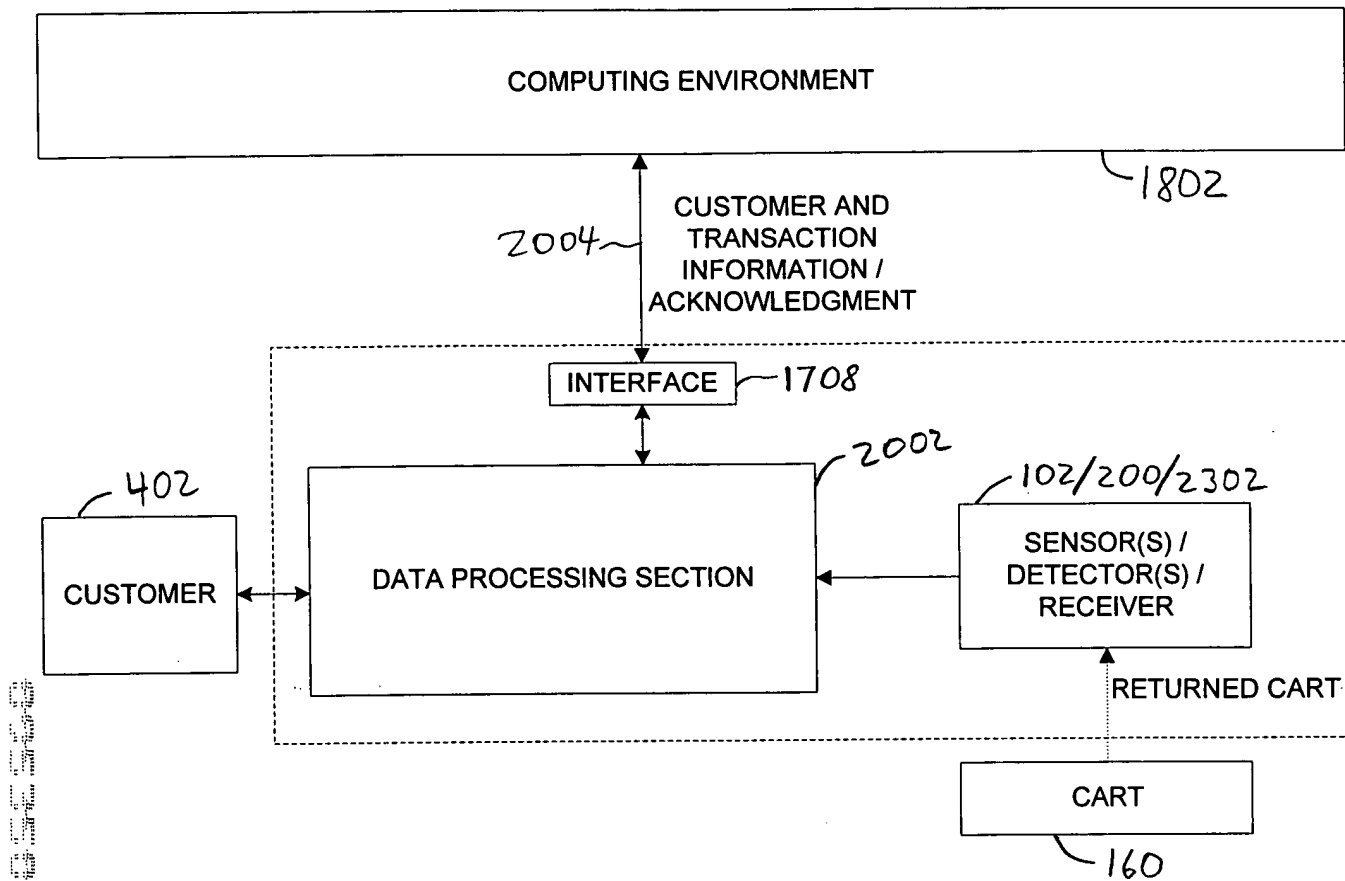


FIG. 20

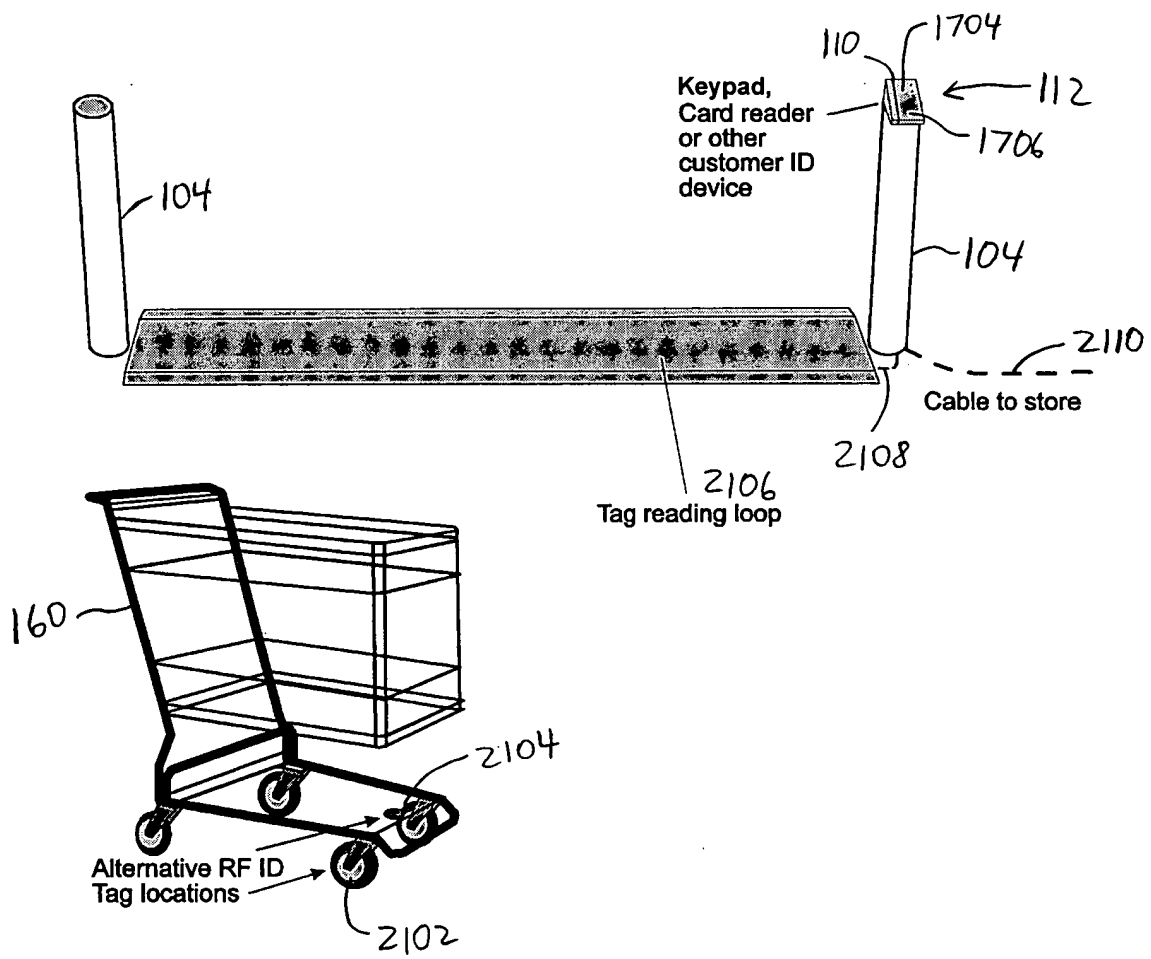


FIG. 21

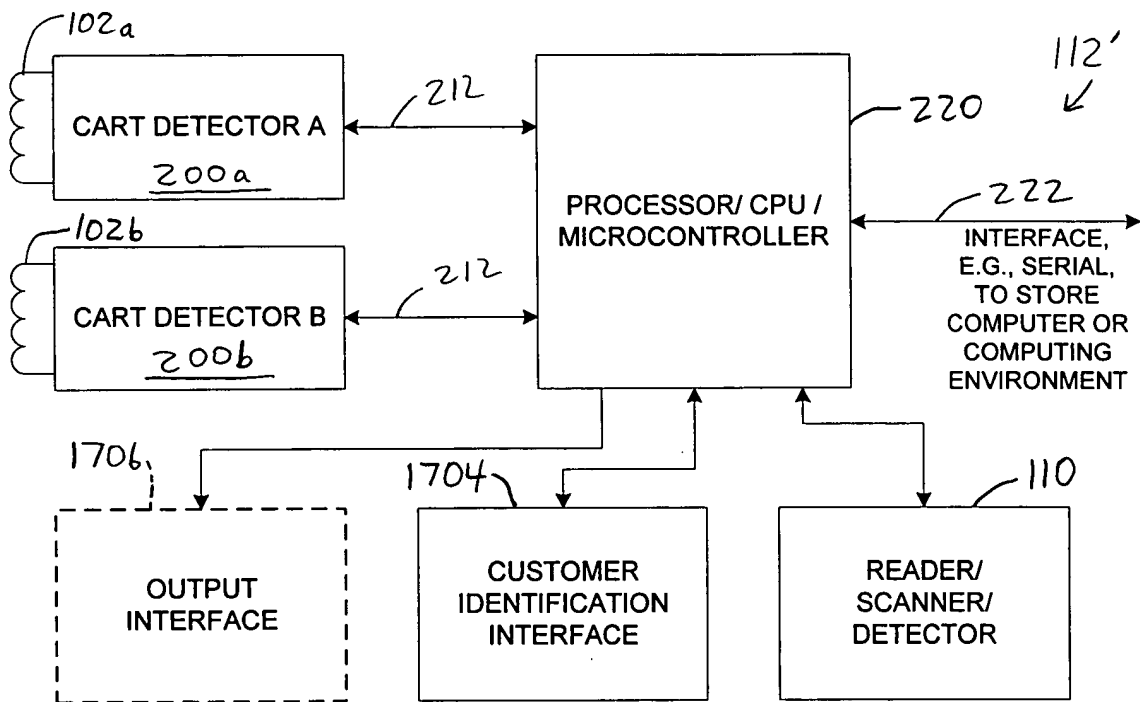


FIG. 22

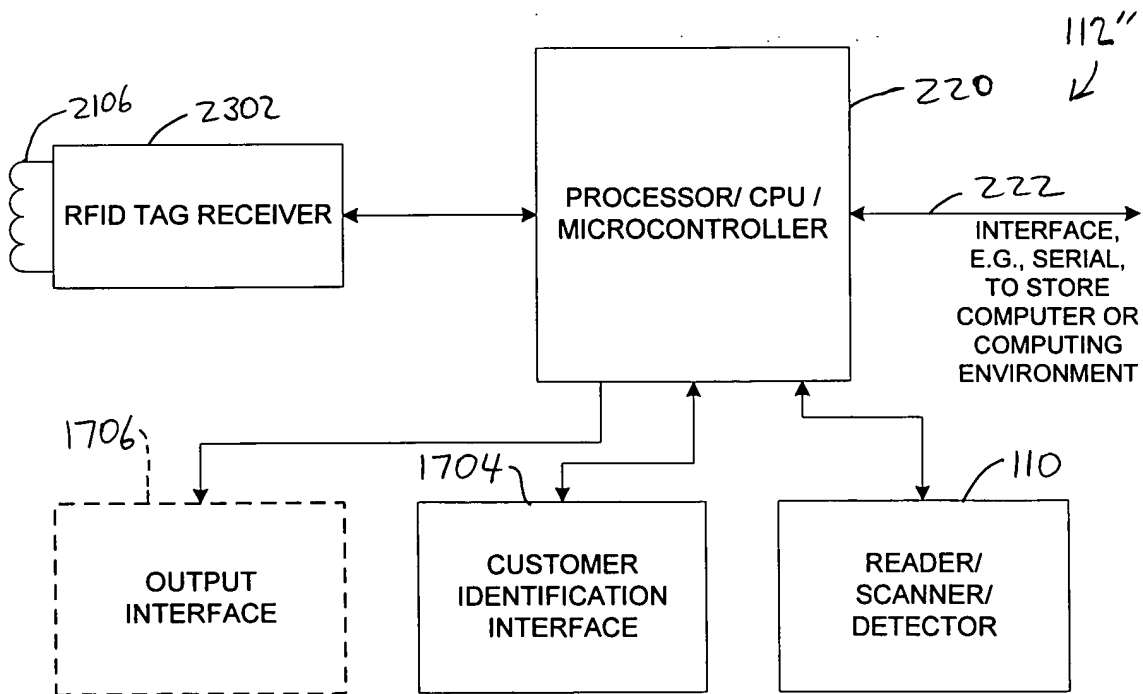


FIG. 23

# CART RETURN DETECTION

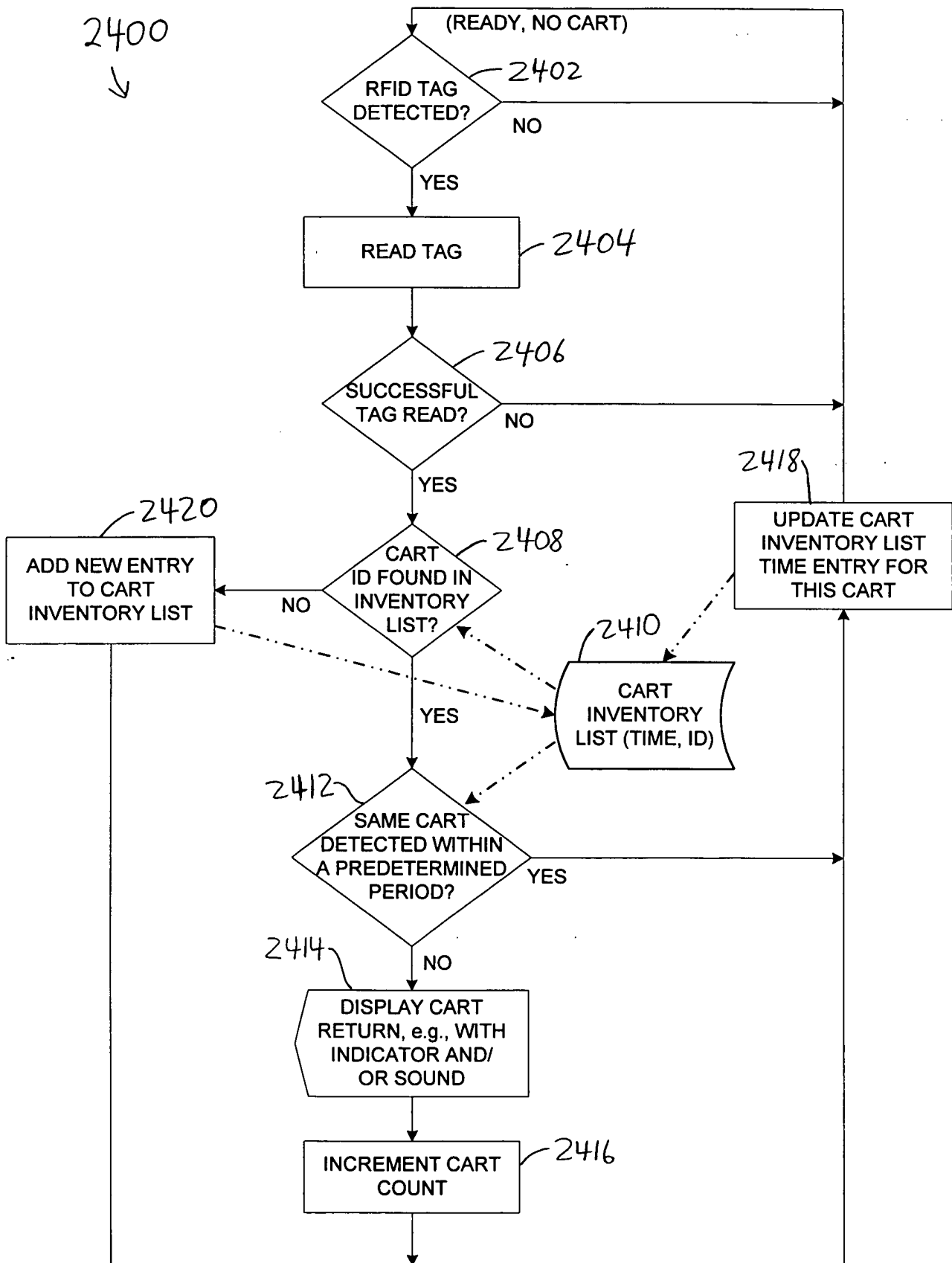


FIG. 24

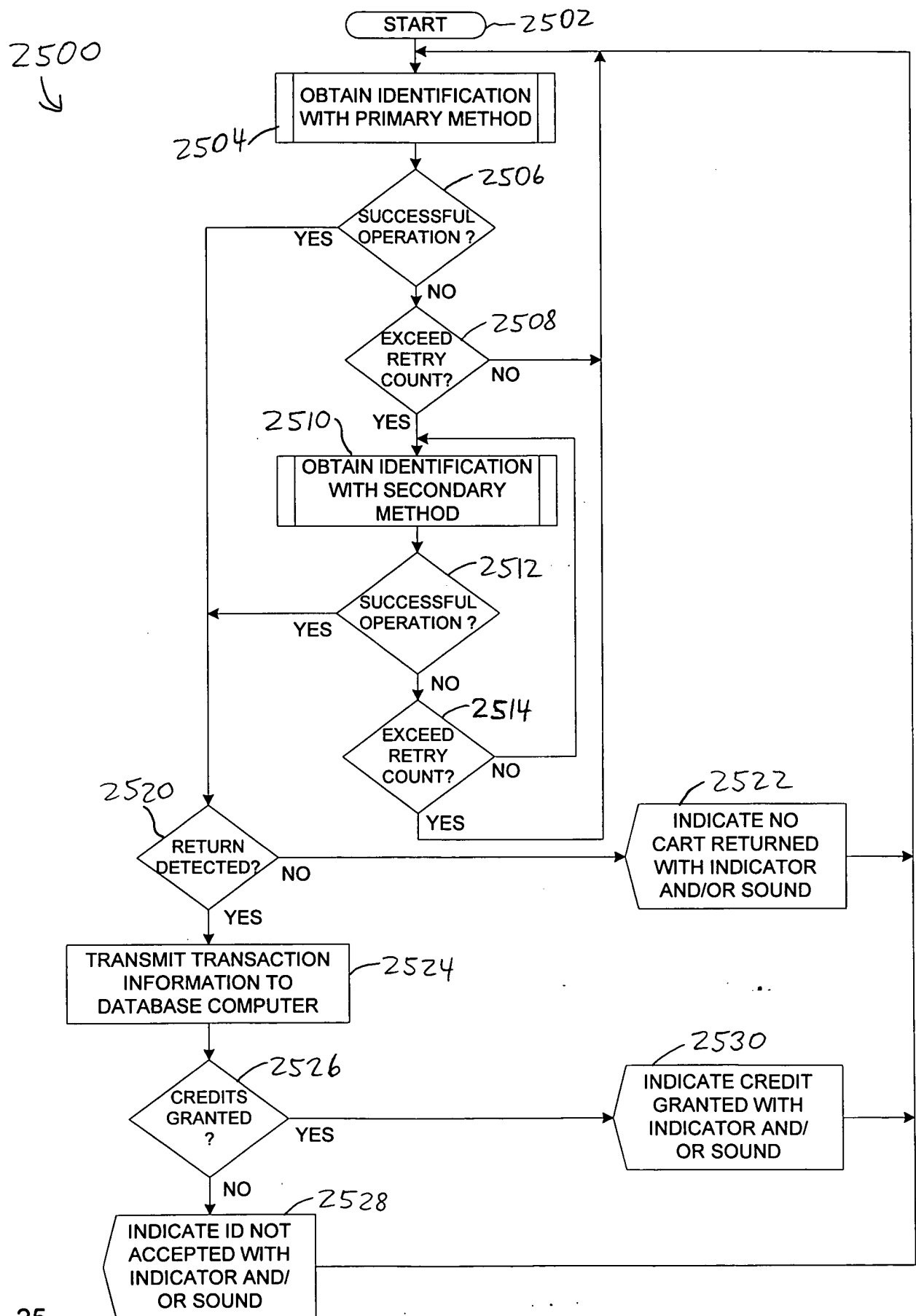


FIG. 25